

### Abstract

Device comprising a patch antenna, and coupling means for connecting the antenna to an electronic component, wherein the patch antenna is arranged on one side of an antenna plate, and the electronic component can be mounted on the other side of the antenna plate, wherein the coupling means comprise a metal passage through the antenna plate. This passage thus ensures the transmission of signals between the antenna and the electronic component. Such a passage is mechanically very robust and not susceptible to ageing, whereby this passage is suitable for automotive applications. This passage is generally not ideal, since it does not have the same characteristic impedance as the antenna and the electronic component, but the dimensions of the passage can be kept sufficiently small so that no disruption is encountered from this impedance mismatch.